From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
Subject: [10974] **LATEST QRP WEB SITE ADDITIONS**
Message-ID: <855084195.916179.0@gqrpclub.demon.co.uk>

Lots of new bits for you on my Demon web site, by SM0VPO:

Self tuning CW filter
70 cms jpole
ditto colinear
ditto slim jim
one ic receiver - HF
etc

New links added, check also rigs made by other hams.
More to follow.
Have checked them and they all work for me, let me know of any problems,
please.
---72/3---Frank G3YCC G QRP 042
QTHR (Kirk Ella, East Yorkshire)
QRP Web sites: http://www.gqrpclub.demon.co.uk
http://www.geocities.com/CapeCanaveral/5179

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: jim hale <kj5tf@mctc.com>
Subject: [10980] 38 Special Mobile on wednesday & thursday afternoon
Message-ID: <32F7C680.7D17@mctc.com>

I'll be mobile near Fayetteville, Arkansas wednesday & thursday
afternoon. Look for me around 10.116mHz from 5:30PM - 7:15PM CST.
Or if you like, 23:30Z wednesday to 01:15 UTC thursday. And again on
thursday 23:30 to 01:15 UTC friday.
Rig is a 38 Special @ 4 watts, and Hamstick whip. de Jim KJ5TF

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: jim hale <kj5tf@mctc.com>
Subject: [10960] 38 Special RX lost!
Message-ID: <32F78E24.5108@mctc.com>

After working for almost two weeks, I lost all audio this AM.

I had just opened it up and added C501/505 & gave one of the 12.000mHz

xtals case a path to ground, and also soldered a jumper between X2 & X3 cases.
I reconnected the board and reset TC2 getting rid of all spurs around 9.8mHz and good tone.
Now it dosnt RX any of the siginals I hear on my QRP+ rcvr. Not a peep, just white noise. I played around with headphone jack, and TC1/TC2 and nothing helps...
I hope I wake up from this bad dream soon! If its not a dream, any ideas what I might have done wrong? tnx de Jim

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [10972] 38 Specials Shipped
Message-ID: <1.5.4.16.19970204122302.37a74270@telis.org>

Jim Cates is absolutely amazing. He shipped 250 38 Specials in ONE DAY!! We have now shipped all 747 kits that have been ordered so far. Just think about this guys. NorCal packed and shipped 747 kits starting Jan. 13th, and finished on Feb. 3. That is 3 weeks. In that time, we ran out of boards, had to get another 500 made, (made possible by the cooperation of the fine people at the board house we use), Jim bought out the supply of padded envelopes from 2 large Office Depots, filled the incoming mail boxes at the post office several times, and is now on a first name basis with the post office employees. Why, they had him back up to the loading dock on the last trip. There was barely room for Jim in the car.

We have 250 more kits on hand and will continue to ship kits. If someone else has seen your rig and wants one, or you want to stock up with more, let us know. We want this one to get out there and populate the 30 meter band. Orders are coming in every day, Jim is processing them as they arrive. Many, many mods have been posted on QRP-L and are kept on the NorCal Web page. I will edit the best of them and publish in the next issue of QRPp, due out this spring.

We would like to see and hear more of your operating experiences with the 38. Please send them to the list, or send them to me privately, but all of the 38 crew gets a huge bang out of reading the postings, that is what keeps us going.
Also, please note that there is a plaque for the first DXCC worked by a 38 Special, and I have received a suggestion that there be a plaque for the "stock" version, 300 mW and the modded version running the IRF510, so I will spring for another plaque. Also, is there interest in WAS for both rigs? Maybe a plaque here too for the first one to do it, using the critieria of no qsls, but reporting to qrp-l at 25, 30, 35, 40, and 45 states, with reports on 46, 47, 48, 49 and that big 50? This would generate operating

reports on qrp-l, and give the non technical guys out there something to talk about. Recognition never hurts? What about it? Post your thoughts to the list.

72, Doug, KI6DS

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Wayneb1103@aol.com
Subject: [10934] 38S
Message-ID: <970204053226_1014557794@emout02.mail.aol.com>

I was wondering if NORCAL is going to put out a blow by blow, or is that part by part description of how the 38S works AKA the Paul Hardin handbook on qrp transceivers?

Not just a circuit description but a "how did I decide on that particular value for that part and why did I want to put it here?" type of thing. I think there is a real opportunity here for those of us who are interested in circuit design.

No, I havn't received my kit yet so if the information is already in the manual then I be sorry for taking up the bandwidth.

Wayne   WB7WHI
Spokane, Wa.

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: goose@imt.net (mal goosey)
Subject: [10952] 38s Chirp
Message-ID: <199702041623.JAA13022@cu.imt.net>

I went for broke and built my 38s with the 5 watt, rit, and tick keyer mods. I experienced the chirp and thump observed by others. the chirp is a slow (many seconds) change in frequency, which suggested a thermal effect. In measuring the voltage at the wiper of the tuning pot however, I found the same slow change. I also observed an instantaneous jump of 1.5KHz upon switching the rit on and off! Shorting the low end of the tuning pot to ground eliminated the chirp, so it is not the result of a thermal effect, and I think it must be due to rectification of rf in the diodes of the rit circuit, although where the long time constant comes from is a mystery. I considered the mod using saturated transistor switches in place of the diodes, but finally decided to bag the rit. This also allowed me to put a

resistor from the low side of the tuning pot to ground of a value that puts the low end of the tuning range at exactly 10.100. With a 6.1 uhy choke for L1, my tuning range is 10.1 to 10.121. I also replaced R12 with a 2K pcb pot and cut the trace from R12 to C25 and connected the wiper of the pot to C25. I now have smooth control of the power output of the final amp. All in all, this is a fantastic little rig----but I still have the thump on key release--hi.

Mal Goosey N7GS Bozeman, MT

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
Subject: [10950] 38S: My chirp fix (long)
Message-ID: <v01540b00af1d07838df6@[157.142.56.167]>

First of all, a big thanks to everyone that offered ideas and suggestions concerning my chirpy 38s. This list is an amazing group. As was the case with the 49er, its lots of fun to watch the interplay of ideas and modifications for this neat little radio (IMHO, its NOT just a toy, but a solid design that I plan on using for years).

Now, how I made the chirps go away. I read over the ideas that Glen, Mike, Jim, Ori, and Jerry had made. Decided that I would first do as Glen suggested and measure the voltage at D301 on transmit using a straight key. Measured the voltage to be 45 mV - hmm, is that "really low?" Don't know, but the monitored signal in another radio was still very chirpy with the straight key.

Mike and Jim had suggested disabling the RIT circuit and testing the result. I decided to do this in phases. First, I removed the pot and switch from the board and placed a short jumper between holes #14 and #15 to simulate the off position of the RIT. Still chirpy. Next I jumpered hole #18 to ground. Bingo! Chirp was gone. Tuned up TC2 and got a nice, stable signal on either ends of the tuning range (which was now 10.109 to 10.125). No drift after one minute of transmitting into a 50 Ohm load. BTW, I never did remove the jumper between #14 and #15. Is there any reason to do so?

There is an interesting coda to this story (for all of you music fans). I decided to play around with the value of L1 to modify the tuning range (I had made a wirewound inductor ala Daniel's suggestion). Tried removing a turn -Rats! the wire broke at the base of the inductor! Look around in the junk box and came up with a 5.6 uH choke. I decided that, since I was playing around with options anyway, I'd also replace the Radio Shack 100K

tuning pot with a 10-turn 100K Clarostat pot with a turns counting dial that I had in my junk box. I had toyed with the idea of using this pot earlier, but had decided that with the RIT I didn't really need it. Now, since I was kissing off the RIT, the 10-turn seemed more attractive. So I replace L1 with the 5.6 uH and installed the 10-turn pot. Retuned TC2 (seems like anytime you do any mod, you have to retune TC2). Now my frequency range is 10.101 to 10.129! And controlled by a high resolution POT! The transmit output is 3.9 W as measured by my RF probe. I think that I will leave things alone. :-)

The keying output is a little hard - I'm not sure if that is a bad thing or not; hard keying adds a little punch to the signal (as long as its not too hard). The famous thump is present, but I'm not bothered much by it. If a fix shows up, I'll add it. Otherwise, a minor problem to my ears.

A big thanks to all that helped get me going in the right direction. Hope these notes may help others that are battling the chirps.

72/3,
Mike N5JKY
Edmond, OK

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [10981] 96 QRPp Back Issues Now Available
Message-ID: <1.5.4.16.19970204150559.0a478120@telis.org>

Now that I am out from under the pile of 38 Special work (for a few days at least) I can let you know that the 1996 QRPp Back Issues Bound Volume IV is ready. I got them from the printer last week, and they really turned out nice. I have filled all of the back orders that I had, and am now ready for any new ones. CQ magazine recently printed in an article about the 49er and NorCal that the price for back issues was $17 for all of them. This is obviously a mistake. Here is the real information:

QRPp Back Issues Pricing:

1993	-	$10
1994	-	$15
1995	-	$15
1996	-	$15
Shipping: US		$3 for 1 - 3 issues.
		$5 for 4 issues.

Shipping: Canada $3 for 1 issue
$5 for 2 - 3 issues
$7 for 4 issues.

Shipping: DX Europe & South America $5 for 1 issue
$7 for 2 - 3 issues
$10 for 4 issues

Shipping: DX Pacific Rim, Australia & New Zealand
$5 for 1 issue
$10 for 2 issues
$15 for 3 issues
$20 for 4 issues

All funds US funds only. Make check or money order to Doug Hendricks, NOT NorCal. Back issues sold in sets of 1 year only. Please do not request that I break up sets, I will not do that.

72, Doug, KI6DS

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Roger Hightower <n7kt@dancris.com>
Subject: [10899] A little courtesy & common sense, pse
Message-ID: <32F6977F.5EAE@dancris.com>

Hear the Fox tonight abt 7.038.....first time I've heard a NY Fox in quite a while. Nice pileup.

He began to fade, then a local QRP-L type started a qso with a WB5 station, very close...QRM'ed the fox nicely.

C'mon guys....think abt it. 1 KHz is not enough separation when there is a fox working.
--
72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC38S, NC-40A, OHR Explorer 20, 30M, OHR400, HW-9
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Patrick Franzis <franzis@gdc.com>

Subject: [10946] Canadian call sign server
Message-ID: <Pine.SUN.3.91.970204094807.2906C-100000@esun212>

 Hi QRPrs,

 Does anyone know of an up-to-date Canadian
 callsign server? Private email is ok.

 Thanks -Patrick

 N1OCJ, Norcal 171, QRP-l 409

--

Patrick Franzis
General Datacomm Inc.
Engineering Tech Center
P.O. Box 1299
Middlebury, Connecticut. 06762

Phone: (203) 758-1811 Ext. 7338
FAX: (203) 755-0896
Email: franzis@gdc.com

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Wayneb1103@aol.com
Subject: [10933] Chicago hams
Message-ID: <970204053236_1179479906@emout03.mail.aol.com>

Looking for any Chicago hams who are involved with the upcoming hamfest.

Thanks

Wayne   WB7WHI
Spokane, Wa.

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: nskousen@scientech.com (Niel Skousen)
Subject: [10903] Code Tapes
Message-ID: <199702040213.TAA03324@eaglerock.if.scientech.com>

I'm looking for some code tapes to buy (or borrow for 2 mo..)

After last weeks N/T Fox where I 'lost it' on a comment which was not a
normal part of the exchange, I think that I better work on it some more. I

guess that I'm beginning to anticipate the next data element vs the next code data....

Suggestions also solicited...

TNX Niel

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Bill Todd <bill@techline.com>
Subject: [10964] CW helps Parkinson's Patient Speak
Message-ID: <1.5.4.32.19970204175530.00680ef8@mail.techline.com>

Some of you may have seen my post earlier this week about my attempt so sell an Argonaut 515 for an elderly ham I know.

Well, the rig sold right away (what else is new? hi). However, in dealing with this man, I found it very difficult to understand what he was saying because the disease had pretty much destroyed his ability to speak.

I set up a schedule with him last night on 80 meter CW, and he came on the air, and he "talked" to me (finally) via CW. His fist was a little shakey, but I managed to understand him, and I was happy that we could finally communicate.

I think this was wonderful! If any of you have dealings with hams who have lost their ability to speak, this CW option just might work for you too.

CUL, Bill-N7MFB

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Owen Quarles <k1oj@swbell.net>
Subject: [10936] Feb Sprint
Message-ID: <32F737FA.4E18@swbell.net>

Howdy from Texas!
 Well the local storms made 80m pretty noisy but there were some stations I could hear over the qrn. 40m seemed to die earlier than I had

hoped. Thank you for the fun and the contacts.
CU---OJ---K1OJ
Houston, Tx.
QRP-L #732

results:
32 QSOs- 18 on 40m- 14 on 80m
Total= 46 points
Weight= 22lbs

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [10984] For Sale delay on estate items
Message-ID: <n1357045614.80791@msmailgw1.arlut.utexas.edu>

Gang,
The estate items I am handling have not been available to me because of flu in their family. I will reply to you individually as soon as I can to answer your specific questions.
Thanks for your understanding,
Stuart K5KVH

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "Marty Watt" <mdwatt@usit.net>
Subject: [10955] For Trade or Sale -- Stuff!
Message-ID: <199702041701.MAA15982@SMTP.USIT.NET>

I have several items I'd like to sell/trade, in the hopes of garnering a multi-band QRP/QRO rig.

1. Toshiba Laptop Satellite T-1900

Mono screen, 486/20, 200MB hard drive, 14.4 or 28.8 PCMCIA fax modem (the 28.8 is a PPI EZ-port, and would add $75 to the asking price below). 4 Meg Ram, expandable via proprietary card slot to 32 MB (I think). Quickport Trackball pointing device. With carrying case (briefcase style), leather. Condition very good, problem with ext. power supply/battery charger (Charger with new batt. available OEM for abt. $200 -- www.toshiba.com)

This unit has windows 3.1 installed, but to be honest, runs better with DOS only. Would make a superb portable Packet/RTTY/Logging computer. Also have ext. monitor, ext. keyboard, ext. mouse, and

Epson inkjet printer, so it can be used as a desktop unit as well
with *no* modification!

Asking prices:

Computer/Case/14.4 modem -- $500
Computer/Case/28.8 modem -- $575
External add-on kit for desktop use -- $150

2. Heathkit IM-1400 Frequency Counter

Not currently functional, but with assembly/operation manual. $50

3. Heathkit VTVM with RF probe

Unsure of functional, with assembly/operation manual and ext. RF
probe (with manual). $75

Prefer to trade for QRP/QRO radio, multi-band. A Sierra would be
nice with some cash in the deal (cash to me, that is!). Ten-Tec
Scout or Argo for trade anyone?

Can ship all but ext. monitor/keyboard/mouse/printer package,
delivery can be arranged (within 16 hours RT of Memphis, Tennessee).
If trade, I'll ship mine, you ship yours, if shipping is necessary.

I'm open to other suggestions ... But I shoa' wud like a radio to
play with! <G>

72 es 73 de
Marty, KN4BH   e-mail: mdwatt@usit.net
Jackson, Tennessee   http://www.public.usit.net/mdwatt
ARRL VE   "The Curmudgeon's Corner"
QRP ARCI #7514 -- QRP-L #953 -- AK/QRP #098 -- EM55oq

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "William R. Colbert" <V31XE@dzn.com>
Subject: [10921] fox
Message-ID: <32F6E404.63C4@dzn.com>

Just want to thank Mark, N2VPK for hanging around after the 0300
closing time he had scheduled. That gave me a chance to get past the
qrm. good signal(539) in to Far West Texas, Mark. Thanks for the
chase.
Good fun. 72/73 Ray.

--
Ray Colbert, W5XE, SOWP 1064M, FISTS 2146
(also af852@rgfn.epcc.edu)
El Paso, Texas

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: FACMSA@facilities.buffalo.edu (Adams, Mark S.)
Subject: [10937] FOX LOG- N2VPK 2/4/97
Message-ID: <1997Feb04.082500.1483.41693@facilities.buffalo.edu>

Hi Gang,

Here is the log for my stint as the fox last night. If you have any corrections please send them along and I will send Chuck the official log on Wednesday. Thanks to one and all. Soapbox will follow in a while.

I ran over by a few minutes to cover a quick "honey-do". The XYLs craft table is next to the radio table and she needed a hand.

Summary: 42 Qs, TX-8, CA-5, NY-4, MA-4, OK-4, AZ-3, ID-2, CO-2, FL/NV/GA/NH/NJ/DE all 1 each and the LONG HUAL: British Columbia-1

1	0100	N2GO	559	599	NY	JIM	381
2	0103	K5WO	339	569	TX	BOB	273
3	0104	N6MM	559	579	CA	HARVEY	318
4	0106	KE4YH	579	559	FL	STAN	590
5	0107	NI0A	599	589	IA	JOHN	689
6	0109	W6ZH	559	559	CA	PETE	257
7	0111	KK7BD	569	559	AZ	DAN	696
8	0113	NT1U	559	449	MA	DAVE	698
9	0114	W1HUE	559	339	ID	LARRY	228
10	0116	NQ7X	579	449	AZ	FLOYD	343
11	0118	KA1AXY	449	439	MA	PETE	260
12	0121	N5LU	559	559	OK	BILL	5W
13	0122	AA2PF	579	589	NY	DAVE	306
14	0125	N6XU	559	339	TX	STAN	66
15	0126	AB5UA	559	559	OK	CLIFF	478
16	0127	KK5RO	579	559	OK	VERNON	425
17	0128	W5FN	579	579	TX	TIM	586
18	0129	AA0XI	339	559	CO	MARSHALL	153
19	0131	VE7SL	579	559	BC	STEVE	769
20	0133	K2VNM	339	229	NY	BOB	735
21	0135	K6VNX	449	559	CA	ARLEN	5W

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    deleted
23   0140    W6SU  559 559 CA  JOHN  48
24   0143    K5ON  579 569 NM  GARY  770
25   0148    KU7Y  449 449 NV  RON   17
26   0150    K5ZTY 589 559 TX  BILL  472
27   0153    AB7TK 449 449 ID  RANDY 102
28   0154    K1MG  339 569 CA  MIKE  614
29   0204    N2OFG 599 589 NY  JOE   100W
30   0227    K5JHP 559 339 TX  BILL  725
31   0231    W3PNL 559 579 GA  PAUL  5W
32   0234    NO1E  339 559 NH  FRANK 5W
33   0237    N4JS  579 579 NJ  JOHN  884
34   0238    K3QIO 339 449 DE  JIM   817
35   0245    WA1QVM559 559 MA  JOEL  337
36   0246    NA5K  339 449 TX  SMITTY84
37   0248    KA5T  449 449 TX  LARRY 89
38   0250    K1CL  569 339 MA  CHUCK 217
39   0253    N5JKY 339 559 OK  MIKE  300
40   0255    KK6MC 339 559 NM  JIM   411
41   0258    W5HNS 339 449 TX  HENRY 165
42   0302    WO0Q  339 559 CO  MARTY 793
43   0306    W5XE  339 539 TX  RAY   256
```

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: FACMSA@facilities.buffalo.edu (Adams, Mark S.)
Subject: [10938] FOX SOAPBOX- N2VPK 2/4/97
Message-ID: <1997Feb04.084000.1483.41701@facilities.buffalo.edu>

Hi Gang,

What a *strange* evening. Propogation was all over the map. When was the last time a fox worked any contacts, other than local ground wave, at less than 400 or 500 miles? I worked NH, NJ, and DE along with 4 guys in MA and 4 in NY. I never thought that would happen. Especially on a night that I worked 5 Californians and a BCer.

I was running 4.5 watts from my Ten Tec Cubbie. Antennas were a 40M HB vertical up 4' with raised radials and a 140' end fed zepp up 30' with various ground radials as long as 140'. For true trivia buffs, my key was the Envirotronics and keyer was the Atomic AK-1mounted in an Altoids tin. Logging was done with WriteLog 7.36.

WOW, what an evening. Hmm.. I said that already. But it bears repeating.

At about 0200 I had to move up to 7.042 or so as I was squeezed out of the lower freq. Noise was s-6 or 7 all night and QSB made the signal reports WORTHLESS. I gave out 559s and then had to ask for fill-ins many times. The band was simply not in good shape.

Also, some of the west coasters were workable on the vertical and not on the zepp while others were the opposite! I could not work K1MG on the vertical cause I could not hear him. But he was good on the zepp, go figure.

One technique that turned out to be a given was having the filter cranked down to almost 500Hz and using the RIT to tune in signals. With the filter anywhere from about 750Hz and wider I could not work a soul due to the noise.

So thanks for the opportunity to be your fox now for the second night. It was truly lots of fun. And my appologies to those I could not work for whatever reason.

Happy hunting and 72,
Mark N2VPK

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Dominick Sabatino <dominick@smartlink.net>
Subject: [10959] Fox?
Message-ID: <3.0.32.19970204090408.00f49b74@smartlink.net>

Forgive my ignorance, what is a FOX(I assume you hunt for some one on a band) how do you get involved? What are the particulars? Thanks for any comments!

73 de Bud KD6NOF

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: rob3ert@juno.com (Robert G. Parks)
Subject: [10911] FS:NC38S--SOLD
Message-ID: <19970203.192001.8998.1.rob3ert@juno.com>

The NC38S kit which I advertised here two days ago has been sold. I had a TOTALLY impartial judge (my 4-year old Shih Tzu dog) pick the name out of the names of the group who expressed an interest! (Anyone who wants details of how my dog did this is welcome to e-mail me direct).

The chosen one has been notified. Thank you all for your interest.

72/73

Bob Parks
K6AEC (Las Vegas)

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Jim Hydzik <congress@magpage.com>
Subject: [10948] FSFD (50 States) Update for Feb. 03
Message-ID: <199702041501.KAA24094@alaska.magpage.com>

Hello ALL,   (QRP activity info at http://www.dancris.com/~ki7mn)
    Please read NOTE 1 at bottom of page.
The 50 States In 50 Days (FSFD) activity started Jan 01 and runs through Feb. 18. Below is a the schedule of the remaining States. We will attempt to provide digested schedules of states/times/bands/freqs to help reduce message traffic to the reflector. Typically, only 1 message per day.

			ALL TIMES UTC		
Feb. 04 Tuesday	OHIO	K8DIN, Steve	1400-1600	UTC	7.042+
			1800-2000	UTC	14.050
			0000-0300	WED-UTC	7.040+
	AA8EB	AA8EB	1300-1400	UTC	7.042+
			1400-1500	UTC	10.118+
			1500-1600	UTC	14.052+
			0145-0300	WED-UTC	7.042+
	K8NU	K8NU	1800-2000	UTC	14.050+
	KG8SF	KG8SF	2000-2200	UTC	7.040+
	WD8RIF, Eric		0200-0330	WED-UTC	3.544
	NS8O, Greg		2300-0100	UTC	7.040 +/-
			0200->WED-UTC until no Q's		7.040 +/-

Other Action: New England QRP Club 79er SPRINT 3.579 MHz 0200-0300 WED-UTC

Feb. 05 Wednesday	OKLAHOMA	AB5UA, Cliff	0300-0400	THUR-UTC	7.042
			0400-0500	THUR-UTC	3.556

	KR5L	KR5L	KR5L, Jerry	1200-1400	UTC	10.115*
				1700-1900	UTC	7.060

* NOTE: 30M operation is with a 38 Spcl. at 5 watts

Feb. 06 Thursday	OREGON	N7CQR, Dan	1800-1900		UTC	14.060
			1900-2000		UTC	10.116
			2300-2400		UTC	14.060
			0200-0400	FRI-	UTC	7.042
			0500-0700	FRI-	UTC	7.042
		KB7RTA, Henry	1630-1650		UTC	7.037
			1700-1720		UTC	14.057
			1930-1950		UTC	21.059
(posted by K3QIO but not confm'd A/O 2/2)			0300-0345	FRI-	UTC	3.557

Feb. 07 Friday	PENNSYLVANIA	KT3A, Cam	0130-0330	SAT-	UTC	7.042
		Maybe more to follow				

Feb. 08 Saturday	RHODE ISLAND	KA9HAO, Randy	0000-0400	SUN-	UTC	7.037-042

Other Activity: CQrp Challenge SAT 1700 UTC -> 1700 UTC Sunday

---

Feb. 09 Sunday	SOUTH CAROLINA	K4NK, Les	1100-1200		UTC	3.560
			1300-1500		UTC	7.040
			1700-1800		UTC	10.116
			1800-2000		UTC	14.060
			2100-2200		UTC	10.116
			2200-2300		UTC	14.060
			2300-2400		UTC	7.040
			0000-0100	MON-	UTC	7.040
			0100-0300	MON-	UTC	7.040
	W2UX	W2UX, Gary	1200-1300		UTC	3.560
			1300-1500		"	7.043
Will do 14.060 if 15M is dead-->			1700-1800		21.040<>	14.060
			1800-1900		UTC	10.115
			2100-2200		"	14.060
			2200-2300		"	7.043
			0000-0100	MON-	UTC	10.115
			0100-0200	MON-	UTC	7.043
			0200-0300	MON-	UTC	3.560
			0300-0400	MON-	UTC	7.043
	WJ4P	WJ4P, Randy	TBA			

	N4UK N4UK, Ken	TBA
Feb. 10 Monday	SOUTH DAKOTA NR5A, Jerry	TBA
Feb. 11 TUE.	Special Guest	
Feb. 12 WED	TEXAS	
Feb. 13 Thur.	UTAH	
Feb. 14 Fri.	Vermont	
Feb. 15 Sat.	WYO & VA	
Feb. 16 Sun.	WA	
Feb. 17 Mon.	Wash. DC	
Feb. 18 Tue.	CANADA	
Feb. 22-23	FYBO	

The FSFD Blow Out Weekend is in the planning stages to work with and in FYBO.
More info to follow. Looking for North Dakota this weekend.

NOTE 1. Most sign-ups came with a note saying they would go longer if busy. Frequencies are +/- QRM & typ. may reach as far as 3-4 KHz from posted freq. If am major QRP frequency is listed, like 7.040, it means close by if possible. We will attempt to avoid being right on 7.040, 14.060, 10.116, etc.

CALLING CQ: A suggestion. If we call CQ WAS or WAS QRP de K6.... etc, we give those not on QRP-L an indication of what we're doing. FSFD type calling might be too cryptic for all but ourselves. However 'FS' is fine when busy. Exchange RST, State/Province/Country, and Name. Power level is nice to know.

If you want to sign-up for an upcoming State, e-mail band/freq/time directly to:
congress@magpage.com
Thanks for all the responses/encouragement and suggestions. Lets have a blast!

Remember, Jim K1MG starts up 50/40 activity next month. Watch for messages.

Jim K3QIO Wilmington, Delaware

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Steve Bornstein <saborns@freenet.columbus.oh.us>
Subject: [10956] FSFD Ohio (moving to 20 m)
Message-ID: <Pine.3.07.9702041122.A26504-8100000@login>

G'day All,

K8IDN will be operating on 14.059 +/- starting at abt 1715.

73, Steve K8IDN QRP-L 331,ARCI 9059, Norcal 1717
FISTS 2441, GQRP 8332, CQRP 1

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: SABorns@aol.com
Subject: [10962] FSFD Ohio QSY to 14.059
Message-ID: <970204112235_-1811322301@emout18.mail.aol.com>

G'day Gang,

K8IDN is moving to 14.059 at 1630z.

73, Steve K8IDN

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Steve Bornstein <saborns@freenet.columbus.oh.us>
Subject: [10969] FSFS Ohio 20 and 40
Message-ID: <Pine.3.07.9702041330.A3347-7100000@login>

G'day Gang,

K8IDN can be found at 7.038 +/- and 14.059 +/- at 1900z.

73, Steve K8IDN

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: n4js@amsat.org
Subject: [10909] Got Him!
Message-ID: <XFMail.970203214052.n4js@amsat.org>

Well, I had about given up. But took one more listen at 0235Z. There he was,
all by himself, calling CQ. 579 both ways. No pile-up, even. Number 3 Fox in
the bag!

Sent at 21:40:52 on 03-Feb-97


```
 _  _  _ _      _  ___   John L. Sielke n4js@amsat.org n4js@pobox.com
| \| || | |  _ | |/ __|  n4js@n4js.ampr.org  NJ Grid:FM29LN
| .` ||_  _|| || |\__ \       http://www.pobox.com/~n4js
|_|\_|  |_|  \__/ |___/  NJ-QRP #57  QRP-L #884  QRP-ARCI #9328
NE-QRP #507 G-QRP #9544  Norcal #????  QCWA Life Member
```


From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997

From: kd1jv@juno.com (Steven Weber)
Subject: [10982] HB: Battery charger to reg supply
Message-ID: <19970204.171555.8055.0.KD1JV@juno.com>

Hi Gang,

If you ever wondered if you can make a 13.8 volt regulated suppy out of an old 10 amp car battery charger, the answer is YES. But it does take some work.

First, I recommend an older type charger. Not one of the new ones with fancy electronics built in. If you have to buy a charger for this, it ain't worth it anyway. Chances are good you already have, or someone you know has an old beat up charger kicking around the basement or gargage. All we need is the transformer and maybe the box it's in.

If the primary of the transformer is open, then the thermal fuse in the transformer is open. Sometimes you can find the fuse under the paper wrap and change or jumper it out. Sometimes, they make it so you can't get to it. Then all you have is scrap iron and copper.

Gut the charger or remove the transformer and build the supply into a nice box. Use stud rectifiers or 1/2 a heavy duty bridge rectifier. (25 amp continues current) You need a really BIG filter cap, I used 50,000 ufd's @ 25V but 25,000 or so should work. Those big "computer grade" caps you find surplus or at ham fests are ideal.

Since the charger transformer is designed to output close to 13 volts under heavy load, you have to minimize the ripple voltage. You also need a low drop out regulator. I used a NPN pass transistor, a TO-3 type 2N3055, mounted to medium sized heat sink. A PNP (just about any TO-220 power type) is connected across the 2N3055's collector to base. (PNP's emitor to the NPN's collector, PNP's collector to the NPN's base) A NPN is now connected to the PNP's base to ground, through a small value (10 ohms) current limiting resistor.

A 723 regulator chip can now be used to drive the NPN that shunts the PNP's base to ground. This set up has only a 1.5 or 2 V drop across the pass transistor at full current, and the 723 regulator doesn't need a seperate higher voltage supply to power it. Common 13.8 volt suplies using 723 regulators and NPN pass transistors start with a 25 volt or so raw DC voltage.

A 1 K resistor and 1000 ufd cap are connected across the output terminals
to keep the supply stable under low loads. 0.01 ufd caps are used
liberally to keep RF out of the supply. Also put a 1 K ohm, 2 W bleeder
resistor across the filter caps as otherwise they can hold a charge for
a good long time.

Use heavy gage wire or several smaller wires in parrarell for all the high current
connections. Doubling up 18 gage lamp cord could be used.
Fusing the AC line and DC out is a very good idea. An over voltage
crowbar circuit might be nice to add also. Beter safe than sorry.

I can get a little over 9 amps at 13.8 volts before I start to lose
regulation. This will run what ?, 20 or 30 38s's at the same time.

If you want a schematic for this supply, let me know and will send a copy
to you. (SASE most welcome)

Hope you all find this an interesting idea. Been using mine for a couple
of years now. Runs my TT Scout just fine.

73/72 de KD1JV, Steve in NH.

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: PDouglas12@aol.com
Subject: [10968] HB: scope mixer per Jan 73 Mag
Message-ID: <970204115813_848405750@emout08.mail.aol.com>

Hi Gang,

Is anyone else building the scope mixer and SWR/Range devices from the Jan
'97   73 Magazine? These two simple HB circuits are supposed to give a poor
man's station monitor to see output sigs, CW keying, and a very accurate way
to tune up an antenna tuner without radiating a signal "up the pipe" to the
antenna.

I wonder if anyone else has finished this project and can report on it. If
not, well, then I will write it up.

72,

Preston WJ2V

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Ron Giuntini <rong@slip.net>
Subject: [10913] Holes in board
Message-ID: <E0vrcSO-0006NM-00@mouse.slip.net>

What are the two holes under one of the IC spaces on the 38 board for?
              Ron

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>
Subject: [10943] Huff-N-Puff question
Message-ID: <199702041438.IAA05265@vob005.spd.dsccc.com>

Guys,
Please excuse the bandwidth, but I have a question regarding
the Huff-N-Puff on page 40 of the Dec 96 QRPp. I want to
understand how two different signals can be fed into a flip-flop
and the output is something useful.

If you wish to explain, that would be acceptable. If the
explanation is beyond the bounds of a reasonable reply on this
medium (QRP-L), a pointer to some text, handbook, or app note,
etc. would be quite acceptable.
72s,
Charles Cashion, w5isz, ccashion@spd.dsccc.com
ARRL(but not for life) NorTex#116 NorCal#1320 QRP-L#76 ARCI#9218

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Rick Sealey <rsealey@InfoAve.Net>
Subject: [10907] HW-8 Fun
Message-ID: <1.5.4.32.19970204023907.0097b7f4@mail.infoave.net>

> From: Dave Adams <adamsclan@netgate.net>
> Subject: The 8 is just plain fun
> First and foremost, I've never used a DC receiver before (well...not an
> unmodded one to prevent the image)...it's been interesting. I'm having
> a ball.

Dave, you're right! HW-8s are a ball. Been using mine for a looooooong time

and still get a kick out of it. While you do have to get used to the "extra" signals on the band, a tight audio filter will help eliminate most. And it's worth it to have multi-band coverage from the bottom of the band thru novice.

Good little transceiver that lends itself well to modification. Add an RIT, S-meter, digital display, panel lights, audio amp, speaker, improve the T-R, fix up the cosmetics, you name it.

I once installed an MFJ cw filter board and replaced the 2-position filter switch with a 6-position one in mine years ago. But I didn't like the results, as the center frequencies didn't match closely enough and there was too much distortion. So I yanked it out last year, and until I decide exactly how or if I'm going to replace it, I'll just use a Radio Shack DSP-40...poor auto-notch and terrible noise reducer, but the best CW Filter/5W Audio Amp you can get for 28.00 bucks (if you can still find one.) Even had a thought one time about selecting a 10MHz xtal osc with one of those six filter positions for WWV (nah, well, maybe.)

And I could tell you about the time ...

Eh, that's enough! I'll save it for another post.

72,
Rick - KI4PZ

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: wager@juno.com (James W. Cates)
Subject: [10957] June Issue/Chokes addenda
Message-ID: <19970204.085344.3902.43.wager@juno.com>

I should have specified that this is the 1996 June issue, and that my address is: Jim Cates, 3241 Eastwood Rd., Sacramento, Ca., 95821. jim, WA6GER.

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "Len W. Touth" <len@infinet.com>
Subject: [10922] KEYER: Found one gud for Bare Essential
Message-ID: <199702040545.AAA02548@mail1.infinet.com>

Hi Gang.

Just a quick note to anyone who may have a "Bare Essential" tube rig or

any rig that needs a relay keyer.

I found a good one at a great value from Kanga US. It is called the KIRSTA and I assembled it in about 20 minutes. It works well, and because of the built in relay, keys my "Bare Essential" rockbound tube rig FB.

I am not sure if Kanga has any of these bargain Kirsta keyer kits left. I think they may have been closed out. However, I think that they have a mod available for the Kanga Keyer that adds a relay. Bill at Kanga would know for sure.

Usual disclaimers apply.

Best 72/3
Len
KG8SF
len@infinet.com   kg8sf@key.com

QRP-L # 841   CQrp # 2   ARCI # 9025   FISTS # 2134

       CHARTER MEMBER - THE COLUMBUS QRP CLUB - CQrp
           Web Page: http://www.infinet.com/~len

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Brad Mugleston <bmug@gwl.com>
Subject: [10953] Looking for KB0SPQ
Message-ID: <01BC127A.2E13F060@pps-pc10.gwl.com>

Sorry about the band width but my mail to Mark Arvidson - KB0SPQ just got returned.

Mark are you out there?

Brad - KB0ROL

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: wager@juno.com (James W. Cates)

Subject: [10931] March issue? Oops. June
Message-ID: <19970204.001307.3918.37.wager@juno.com>

Sorry for the error. I have some June issues; the one with the 49'er
mods. jim, WA6GER

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Barry Keating <Barry.P.Keating.1@nd.edu>
Subject: [10941] N/T FOX Wednesday
Message-ID: <v03007803af1cf1a06614@[129.74.87.62]>

*** It's "Two Foxes-In-One-Night" Time ***

*** Wednesday Night - February 5th - (local date)   ***

Randy (AB7TK) will be the regular fox from "0300-0500 UTC on or near 7.037
MHz" (See his posting of February 3).

I (WD4MSM) will be the N/T fox from 0000-0200 UTC on or near 7.122 MHz.

I will operate "near" 7.122. I have an analog dial so be generous with
"looking around." I will be on the air from 7:00 pm - 9:00 pm (EST) time
CQ'ing my heart out.

     Wednesday, February 5th (local date)
     7:00 - 9:00 pm local (EST) time
     0000 - 0200 UTC
     frequency; "near" 7.122+-
     QTH South Bend, Indiana
     QRP-L# 642
     MFJ 9040 at 5 watts

Bag one "western" fox and one "eastern" fox in a single evening!

     Barry Keating
     WD4MSM

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Bruce Rattray <rattray@siast.sk.ca>
Subject: [10939] N2VPK
Message-ID: <4403560704021997/A28305/RIEL/11B221F80200*@MHS>

Well another evening of a great ride but no cigar!...HI HI...found the pileup for N2VPK but never did hear him even when the hounds took their lunch break...heard VE7SL work him with a good signal report so I can only assume the fox was flying right over Saskatchewan...bring on the next one!...73 Bruce (VE5RC) QRP-L#886 -
"QRP! How sweet it is!"

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: PACOBOY1@aol.com
Subject: [10924] NC38s
Message-ID: <970203205256_-1710745942@emout08.mail.aol.com>

Hello Gang

Just wanted to know if anyone else
out there is still waiting for their NC38s
that was part of the first run? Ordered mine
back in Dec. and have'nt received it .

Thanks
Ed
WB2WHQ

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
Subject: [10902] NC38S:thumper hunting
Message-ID: <1997Feb03.211038-0500@[130.113.234.7]>

No, this is not a sequel of DUNE (but almost as long)

Have this rig on the operating table here, under a hot
light, with many probes clipped into its innards.
Have the thump captured on my scope. Can see
exactly where it appears, and when.
OK gurus, here's the scoop:
Thump occurs when transmission gate (pin 12, 11 and 10)
switches ON, when the rig goes from transmit to receive.

This is what seems to be happening:
U3, the NE602 requires about 4 msec to recover from
transmitting, before its biasing settles to new values.
If the transmission gate that connects U3's output to the

audio amplifier switches on during this time, you get a thump because C15 and C14 have to charge to new voltages.
     OK, you say, lets wait till the NE602 settles, THEN close the audio switch. Increasing R7 from 3.3k up to about 68k accomplises this. Great idea, doesn't work. Why? Guessing here, but could be that there's some charge injection from the slow-charging time constant on pin 12. What you get is a negative going pulse about 100mv peak amplitude, and about 100usec wide. If you delay longer, the pulse amplitude increases. Some CD4066's might do this OK (mine doesn't) depending on internal threshold voltages.
If this is true, then increasing the edge speed of the rising transient voltage on pin 12 should pretty well get rid of the thump.
   (How many times have I said confidently "Ok....THIS is going to work now"?)

Why do some rigs have no thump? Could be that their NE602's settle much faster than mine. Might have something to do with the R.F. waveform shape, or too large amplitudes while its in transmit mode.
This is another approach...let's find a way to make U3 (NE602) settle faster when switching from transmit to receive.

This is not a simple problem. Let's hope someone can find a fairly simple solution.
Glen VE3DNL

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "Steve Hurst" <shurst@magiclink.com>
Subject: [10893] Nils
Message-ID: <199702040002.TAA56074@nss2.CC.Lehigh.EDU>

Lemme guess.....
Nils rx'ed his 38 spl. , no ?

73,
Steve
KA7NOC

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: wager@juno.com (James W. Cates)
Subject: [10930] NorCal: kits, parts, QRPp
Message-ID: <19970204.001307.3918.20.wager@juno.com>

Today I mailed the rest of the kits which had been ordered. (Monday, Feb. 2nd). All overseas ones went airmail, as did the Eastern Canada ones, and the US ones and Western Canada, first class mail. As of today, 747 of the projected run of 1000 are gone. But, 49'er orders are coming in briskly, with the checks being returned, with a newly devised form letter enclosed. (forget that, inhouse joke.)

Parts: We have some 6.8 chokes. If you are desparate for one, say you will send a dollar to cover the cost of the padded envelope and postage and I will send you a couple. (I don't keep records on these things. Honor system). Can't send them in a regular envelope, they either pop out or arrive, looking like road kill. (sorry. tacky reference)

QRPp: Nope, mine is not here either, ha ha, neither is Doug's. I hope this will be ok as a reply to those who have asked about their copies. The issues are bulk mailed, and were the first week in January. It is all up to the postal system as to when yours will be delivered. Keep the faith. Or, shall we join our hands in prayer?

March issues of QRPp. Digging into the layers of NorCal paper, I found a few issues. If you want one, tell me you will send a buck. NorCal will pop for the extra penny postage (big deal) and pay for the envelope.

I want to thank everyone for the patience shown in these club projects, especially, my errors, and I promise to make more. Alas! jim, WA6GER

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: nskousen@scientech.com (Niel Skousen)
Subject: [10901] Novice Fox - Thur.
Message-ID: <199702040208.TAA03242@eaglerock.if.scientech.com>

Another chance for a Novice Fox on Thursday !!

==== Novice/Tech+ Fox =====

WA7SSA Niel Skousen
 Thur. 2.6.97   7:00-9:00pm MST
 Fri   2.7.97   0200-0400 UTC
FREQ   7.112 +/-
RIG   FT-757 @ 3.5w

ANT   Inv.V @ 28 ft, legs E-W
QTH   Idaho Falls, ID
QRP-L   #119

* Standard N/T code speed warnings ...
    sending speed is not indicative of current recieve performance...
    operator may freeze, loose all code skills w/o warning...
    extraneous letters / dots / dashes are a function of the moon & keyer..
* Patience is a virtue (especially for you 40wpm+ CW ops on N/T Fox nite..)

TNX es GL
73
Niel

---------- -.. . .-- .- --... ... .- --------------------
Niel Skousen; S.Eng, SCIENTECH.SPG   nskousen@scientech.com
208.525.3742, FAX 529.4721 Idaho Falls ID   WA7SSA QRP-L.119
-Z---DN33wm- . . . ---

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Steve Bornstein <saborns@freenet.columbus.oh.us>
Subject: [10942] Ohio FSFD
Message-ID: <Pine.3.07.9702040925.A16911-8100000@login>

G'day Gang,

K8IDN is up and running on 7.039.

73, Steve K8IDN QRP-L 331,ARCI 9059, Norcal 1717
                FISTS 2441, GQRP 8332, CQRP 1

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Jim W7LS <w7ls@brigadoon.com>
Subject: [10929] OHR 40m xcvr w/keyer 4 sale $75 or trade
Message-ID: <199702040813.AAA29825@olympic.brigadoon.com>

I want a new toy! Have to sell this one, first. I was asking a

hundred clams, but I'll take 75, just to facilitate getting a new toy. Lemme know... Hey, it has a keyer built in, already. Seventy trees....Jim W7LS

At 01:11 AM 1/31/97 -0800, I wrote:
>Hi, gang. I have an OHR 40 meter transceiver for sale or trade. It does have >what I'd call a problem. Transmits just fine. No problem there. It seems a >bit deaf, though. It does receive, the audio active filter works fine, etc. >Just seems deaf. Could be a solder bridge, bad wire, bad chip (they're in >sockets), dunno. Book & schematic included.
> It has a built-in OHR keyer using the Curtis 8044 chip. Runs about 3 >watts out. Built in a Ten Tec case. Keyer works just fine.
> So, why am I parting with it? I am into 80 meters and had the wild >idea that it would be easy to convert it to 80 (bwah ha ha ha.....). I >smarted up and decided that I didn't want to take the time to dig into it, >if I wasn't going to use it on 40.
> What do I want for it? Oh, some qrp goodie or a hundred bucks.

(Now $75 or trade)

>Whatcha got to trade? 80 meter stuff?
> Forgot to mention, the model is OHR QRP 20/40. I think the 20 comes >from maybe it was offered in a 20 meter version. Dunno again. Also, it has >RIT and the vfo covers from 7.000 to 7.150.
> Catch me here or on the horn at 206-788-0779 days, eves, weekends.
>
>.73 (73 down 20dB) de Jim W7LS
>
>
>
>

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [10940] Psychotherapy/QRP
Message-ID: <01IF0EF1Y0KI8WXDA8@tntech.edu>

Good morning.

well here is the story:

I counsel adolescents a few times a week in a lock up facility.
Most can benefit from relaxation training. I purchased a GSR
(Galvonic Skin Resistance meter). It is a primative biofeedback
device. Basically as they get tenser the sweat glands enlarge and

the skin resistance goes down and the little bugger gives off a
higher pitch note as the stress level (less skin res.) increases.

I would like to be able to make some time of visual device so they
can see rather than hear the results. I know there is an adapter
that is really just a meter. Here is what I would like to do: I
would like to either (or both) have a meter plug into the
headphone jack and as resistance goes down, the meter points up,
or make a set of lcds that as the res. goes downs more leds light.

How do I translate the low level pitch related signal to some
input for the device?

any help appreciated.

73
Jeff, AC4HF

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Pete Rossi <wa3nna@resuba.com>
Subject: [10910] QRP BEACON ANNOUNCEMENT ** FEB 8-9
Message-ID: <199702040320.WAA02646@resuba.com>

As promised... Get ready for another one...

---------- WA3NNA/B 80 METER QRP BEACON ANNOUNCEMENT -----------

START TIME : 0000 Z Saturday 8 FEB 97 (7 PM EST FRI 7 FEB 97)

END TIME   : 1800 Z Sunday   9 FEB 97 (1 PM EST SUN 9 FEB 97)
             ^^^^^^^^^^^^^^^

*** PLEASE NOTE REVISED ENDING TIME ****

FREQUENCY : 3557 KHz

OUTPUT POWER : Power will cycle though 5 different levels, 2 minutes at
               each power level; 4 minutes at the 100 uW level.

            ------- MINUTES PAST THE HOUR ------   POWER LEVEL

            00-02   12-14   24-26   36-38   48-50   1 W
            02-04   14-16   26-28   38-40   50-52   100 mW

04-06	16-18	28-30	40-42	52-54	10 mW
06-08	18-20	30-32	42-44	54-56	1 mW
08-12	20-24	32-36	44-48	56-60	100 uW

Each level represents a 10 dB drop from the higher level.

These times should be very accurate, however, keep in mind that the power level will not change to the next level until the previous message has finished sending.

LOCATION : Newtown Square PA FM29hx (about 15 miles west of Philadelphia)

MESSAGE : VVV VVV xx MW <4_letter_code_word> DE WA3NNA/B QRP
Sent at aprox 15 WPM. Unique codeword for each power level.
The codeword will be repeated THREE TIMES at the 100 uW level.

ANTENNA : 80 meter coax fed inverted-vee center @ 65' running east/west

REPORTING : Please send all beacon reports to beacon@pete.resuba.com

Detailed signal reports, receiver and antenna info, etc are very much appreciated but PLEASE do not bury your codeword reports inside a lot of lengthy text. It takes forever to extract the information that way.

So, PLEASE include a separate text block with your report containing the following information for the lowest power level copied:

YOUR CALL & NAME
YOUR LOCATION
CODEWORD & POWER LEVEL
DATE/TIME
SIGNAL REPORT

Canadian and other DX stations, please send mailing address + long/lat coordinates of your location.

Certificates acknowledging the lowest power level at which you correctly copy the codeword will be available. Jerry, W4UK, who produced the certificates for past beacons has offered to produce them again for this one.

Details on how to request a certificate will be posted with the summary report which will be posted a few days after the beacon session, once all reports have been received. Please do not post the codewords.

Please spread the word about this beacon through whatever means available.

Good luck & 73,

Pete Rossi - WA3NNA QRP-L #459
wa3nna@pete.resuba.com
beacon@pete.resuba.com

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Stephen Krosner <skrosner@mindspring.com>
Subject: [10971] Rainbow Tuner
Message-ID: <3.0.32.19970204141918.0069ca64@mindspring.com>

While I am waiting for the receipt of my NC38S I am trying to design a case that will hold both the 38S and the Rainbow tuner. Does anyone know where I can find the dimensions of the tuner and the dimensions and quantity and size of the controls/displays for it? I have searched the web but don't seem to find that data.

I keep checking the mail for the 38S and the TICK... maybe today will be my lucky day. 73, Steve K2ZPF

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Stew Whitehouse <76443.501@compuserve.com>
Subject: [10944] Solar Charger
Message-ID: <199702040939_MC2-10B3-667@compuserve.com>

Hi folks,
Boat/U.S. is advertising a Uni-Solar, flexible
5.5 watt solar charger for the "sale price" of
$88.88. Does anyone have any experience with,
or knowledge of, this charger? Is this the unit that
I have seen strapped to the backpacks of some
hiker/hams in QST and CQ magazines?
I haven't seen this charger except in photos in
the Boat/U.S. sale flyers. Ad copy says it is shatter-
proof and waterproof. What ya'll think?

72/73 Stew KE4YH
Dunedin, Florida

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [10958] SORRY FOR LONG POST FSFD
Message-ID: <9701048550.AA855082688@smtpgw.ccgate.dl.nec.com>

Gang:

Before somebody gets on me, I thought I'd
deleted the other part of the FSFD post info.

Sorry for the extra repeated info. A thousand
pardons, please!

73 de Dave NR3E

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: tayloe_d@juno.com (Daniel R Tayloe)
Subject: [10923] Sprint Results
Message-ID: <19970203.225405.7119.2.tayloe_d@juno.com>

It was interesting. This was my first time trying to run battery
powered. I built a special 80m xcvr specifically for the Sprint contest.

I can vary its power in three steps: 5w, 2w and 0.5w. I made up a
battery pack of 10 AA batteries intending to run 5w off of that.

Wrong.

I watched my voltage as I started keying, and was alarmed by the voltage
drops I was seeing. I quickly reduced to 2w. Shortly after that I
ruduced to 0.5w

......Shortly after that, I threw in the towel and hooked up the 4AH gell
cell!

I worked mainly 80m. 40m seemed to turn noisey kind of like it was above
the MUF.

Log:

80m: W3TS, WD8RIF, KI6SN, N0BIG, N0IT, W1HUE, KV7X, KB6FPW,NJ7M, NQ7K

40m: AE4JA, WD9CTB

Best Miles per Watt: W3TS running 1w (I was running 2w then) Az to Pa!

Biggest Signal: NJ7M, 4w out of Idaho

N0BIG: I think need your address for a QSL card!

- Dan Tayloe, KK7BD, Phoenix, Az; QRPl #696; Az ScQRPions

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
Subject: [10961] Straight key to Iambic conversion? MOSFET substitution
Message-ID: <32F75FBE.3F14@uts.cc.utexas.edu>

Hey Gang,

You can accuse me of being out of touch or living in a cave for the last 30 years, but....

I've used only a straight key on CW since 1959, but just finished putting my Atomic Keyer from Embedded Research together and it works great. However, I have no idea if the left paddle for an iambic keyer is dit and the right is a dah or vice versa. Since I'm learning from scratch it doesn't make much difference to me, but is there a standard and if I use my rig in a multi-operator contest will someone else be totally amazed at a "backward" keyer? Inquiring minds need to know.

BTW, the dynamic memory on the Atomic Keyer is a real treat and I can't wait to work a contest with it. Pressing a button to send out my CQ's should be a real fun compared to straining my wrist on a straight key hour after hour.

Second question: I have several IRF530's kicking around my junk box and I know they have a higher voltage (100v) and current rating (14A) than the IRF511. Can I substitute them in my NC38s 5 watt mod? I have a new Mortorola RF Parts book but the IRF530 isn't in there and I couldn't find it on the web pages, but only had a few minutes to search for it. Are there any other characteristics about these babies that would limit their usefulness in the NC38s? Would they need more than a half watt to drive them?

Thanks for your help.

Gary, KJ5VW

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: PaulKB8N@aol.com
Subject: [10900] Ten-Tec Filters FS
Message-ID: <970203164123_2059181281@emout18.mail.aol.com>

Gang,

I have the Ten-Tec Crystal Filters for sale, these are the 6.3 MHz filters for the Corsair 1 & 2, and the Omni 5 or 6:

Model 288 - 1.8 KHz filter

Model 285 - 500 Hz CW filter

Price: $45 ea plus $2 shipping

Thanks, Paul, KB8N

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Jeremy Cowgar <jcowgar@villers.com>
Subject: [10951] TenTec rig, winding of final low pass filter toroids
Message-ID: <01BC128D.A7DB0A10@jcowgar.villers.com>

As everyone probly read I am having problems with my TenTec 40m qrp rig. = Last night I just blew my second final transistor and at $10 a shot, I = do not wish to do that much more :)=20

I guess I'm asking this question to anyone who has built this rig. They = say 12 tightly wound and they also specify 1uH. I found that winding 12 = turns will in no way give me 1uH. Taking 2 turns off however gave me = exactly 1uH. That's the way I set it up but on the collector of the = Final Output stage I had 1 1/4 watts before peaking the band pass = filter, and out the antenna I measured 35mw. I have no way of = determining my SWR since my meter only moves a micro of an inch with the = 35mw going out.=20

I guess my question is, should I have wound 12 turns and dealt with the = 1.32uH that it resulted in, or do I stay with the 10 turns and 1uH?

Jeremy N. Cowgar - jcowgar@villers.com
Villers Enterprises, Inc. - VEI of Ohio
7845 Wales Ave. NW.
North Canton, Ohio 44720

Phone: 330-305-0922
    Fax: 330-305-0822
    URL: http://www.villers.com/

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Nick Franco <kf2ph@bnl.gov>
Subject: [10965] Think I shot my foot - Again! (saga long)
Message-ID: <32F77945.5B0D@bnl.gov>

Not during building anything for a change, yet :-) But, I haven't started my NC38S yet.

I put together this nice computer workstation corner unit. Multi-purpose in my mind, computer table and shelves and new Ham shack for my QRP stuff, right? Well, sort of!

I went down to the shack to fire up the rigs and make sure everything was ready to go for the Foxhunt last night. I had my NW-40 warming up and the Icom on a wire antenna to scan around with. I also set up my dual band Pixie2 with the 7.040 rock in place for the Spartan Sprint later.

I always hear Mark - N2VPK (well, almost always). Ok so 7:55 EST I park my carcas down to listen to the band and wait for the first CQ Fox. I catch a couple of tuner uppers and know things are getting close. I'm going pop this guy as soon as he hits the key :-) I waited on 7.037 with my Icom set at 2w into my HF6V. I didn't hear any fox. I start scanning around from 7.037 up to about 7.042 and back again. I hear a small barrage of qrp sigs a couple of times but not fox yet. No problem, I have the whole two hours to go. I heard a lot of sigs out there so condx weren't as horrible as when I was the Fox :-) Yeah, that's it! It was the condx!

My friend Mike - AA2QO stops by with some Radio Shack parts for the 5 watt mod on the NC38S. We chat for a few and then I go back downstairs and that's when I realized my new shack arrangement was not as great as I thought. There at the computer and all surface areas is one of my sons doing some big report (due today of course). Boy was I depressed. I couldn't believe that my great idea of have the computer and qrp gear in the same location to help me out so I could check out the mail on qrp-l and be at the radio at the same time, was blowing up in my face. There was no way I could work on my radio without interfering with my son's school work, and I was about to do that (although the thought did cross my mind). So I kept coming back in the room to see if he was

finished and maybe play a little Spartan Sprint. NG. He was burried all night long :-(

So no Fox for me as usual, althought I did hear some hunters. Good work Mark. And no Spartan Sprint either - woe! this is getting serious. But, I did get some more components toward my NC38S project and I'm almost ready to start that bad boy. Sorry to ramble, but I had to tell someone. I'm not about to say anthing like this to my XYL - no, ham radio always takes a low profile :-) Til next time ...

ObQRP: STill running my SW-30 in the car and worked some nice clear contacts from Mi. on Sunday afternoon. I brought my memory keyer into the shack for the Fox hunt and will leave it there. I modified my home made single lever paddle in the car to a sideswiper and have been have fun and frustration sending CW that way. I like to try all these different methods from the past. I also had a great ragchew on 80 meters with the Pixie2 to a VE3 station.

72 all,
Nick - kf2ph

--
Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist   RHIC Project   Building 1005
Tel: (516) 344-5467   UPTON, NY   11973-5000
Fax: (516) 344-3674   Ham Call: KF2PH
Email: nickf@bnl.gov   http://www.rhichome.bnl.gov/People/franco

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Rogerio Gonzaga <gonzaga@med.up.pt>
Subject: [10935] W6/CT1ETT
Message-ID: <199702041247.NAA14790@hipocrates.med.up.pt>

Hi, fellows,

Back to Portugal after one week in S. Francisco, where I had the oportunity to feel the fantastic hospitality of the NorCal group, namely W6EMD and K4DRD, I must apologise for not being able to get consistentely on the air in HF, as promised, but the windows of my Hotel could not be opened, the fishing rod-suspended aerial I had built for the event could not be hanged, and I had to rely on a miserable random wire glued in the glass, indoors, against a small counterpoise (no central heating device to make a reasonable earth grounding). With the very nice help of the S. Francisco hams I could contact in 2 meters VHF, KM0KO, K06M and K6CBL, I could get a couple of 20 meters contacts with my MFJ9420, both CW and SSB. N6LAE, KC6TSZ, KF6DXS, KD6RVN, KE6AZK, N6DWS and KD6NDD have also kindely answered

my VHF calls. My thanks to all, that have added to my unforgetable visit to this wonderfull town a very special radio amateur flavour.

By the way, I don't know if there is still a shortage of Altoids cans in the USA, but I could find them in huge quantities at the several Evergreens supermarkets in S. Francisco (usuall disclaims...).

Best 72/73 to all, de Roger, CT1ETT

Rogerio A. F. Gonzaga, MD
Surgical Professor at the Faculdade de Medicina do Porto - Portugal
Ex-Honorary Surgical Registrar at the Hammersmith Hospital - London, UK

Radio Amateur CT1ETT QTH Loc IN51re
G-QRP Club # 8673 ISWL # CT-20574 QRP-L #516

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [10983] W6RCA's 102 ft. dipole at 37 ft.

Most antenna tuners have built-in 4:1 baluns which function best when looking into 200 ohms. A parallel capacitor at a PC-200 point on the transmission line will result in that perfect 200 ohms. My web page at http://www.geocities.com/CapeCanaveral/8476 now contains my exact configuration data for all bands except 30m. On 75m I choose to use the SL-200 point where a series inductance results in a perfect 200 ohms. For those of you without web access, here's a summary.

Components are located in feet from the antenna.
On 3.8 MHz, two 15.2 uh toroidal inductors in series at 93.8 ft.
On 7.2 MHz, one 285 pf capacitor in parallel at 100 ft.
On 14.2 MHz, one 60.5 pf capacitor in parallel at 92.8 ft.
On 18.14 MHz, one 56.5 pf capacitor in parallel at 88.8 ft.
On 21.3 MHz, one 35.7 pf capacitor in parallel at 93.5 ft.
On 24.95 MHz, one 22.7 pf capacitor in parallel at 102.1 ft.
On 28.4 MHz, one 34.5 pf capacitor in parallel at 102.2 ft.

I use a 10-100 pf variable capacitor for a perfect match on 20m-10m. The 102 ft dipole is 37 ft high and fed with 450 ohm ladder-line.

73, Cecil, W6RCA, OOTC

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: jim hale <kj5tf@mctc.com>
Subject: [10973] Re: 38 Special RX lost!
Message-ID: <32F7AF94.2A85@mctc.com>

Jim Bennett wrote:
>
> Jim - first thing I'd try is to transmit with your QRP+ (into a dummy
> load?) and see if your 38S hears that signal. If the 38S receive works
> at
> all, it should be able to hear the output of the other rig.
>
> Next, check your connections in the C501 / C505 area, especially around
> the C505/L3 junction. It is there that the "pickup" for receive input is
> taken, via the .01uf cap (C01). Shorting something to ground in this
> area
> I believe will clobber your receive signal.
>
> 73, Jim
>
> --
> Jim Bennett / W6JHB (jbennett@ebmud.com)
> Supervising Systems Programmer
> East Bay Municipal Utility District
> Oakland, CA 94607
> voice: 510.287.0224 / fax: 510.287.0373
> --Thanks for the ideas... yes it could
hear my QRP+ very well.

Thanks to NorCal for providing a "self-repairing radio" I returned to
try agn 3 different times, and on the 3rd try it came back to life!

So, the RX somehow fixed itself :) If I have another problem I'll check
C501/505 like you suggested for a problem. I was afraid that the jumper
across the two xtals was a bad idea. Since they both are supposed to be
grounded I saw no problem with grounding one, and putting a jumper across
the two. In haste I cut the jumper. That didnt fix it. It fixed itself!

BTW look for me from 5:30PM - 7:15PM CST wednesday & thursday 38 special
mobile.

THANKS! - glad it was only a bad dream afterall! 72/3'z de Jim

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: David Adams <adamsclan@netgate.net>
Subject: [10975] Re: 38 Specials Shipped
Message-ID: <32F79066.1192@netgate.net>

Worked all States on the 38S is an EXCELLENT idea...course I plan to get the first DXCC...from my apartment...with my crummy antenna...hmm...WAS seems even better suddenly...

73 de dave, n9uxu

(and of course, I have to actually order my 38s....)

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: wylde@nccn.net (Grover, K7TP)
Subject: [10897] Re: 38S is chirpy - ideas?
Message-ID: <v02130501af1c4221a43a@[205.139.74.123]>

At 10:54 AM 2/3/97, Mike McShan wrote:
>The one problem that I haven't been able to cure yet is the chirp on
>transmit. At the top of the tuning range (10.125 MHz), very little chirp
>is detectable when listening to the output in another receiver. However,
>when I go to the bottom of the range (10.102), I have a very unacceptable
>chirp and frequency drift upon keydown.

Now that's very interesting because the chirp that I am experiencing has the same characteristics, although I didn't realize it until you noted the frequency issue. Although the mods suggested have reduced the chirp somewhat, it is still there enough that I would be ashamed to put it on the air.

I'm still experimenting but as of today no success.

Cheers to all,

Grover
K7TP

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: jerryh@webzone.net (Jerry Henshaw)

Subject: [10914] RE: 38S is chirpy - ideas?
Message-ID: <01BC1221.CECEA080@pm1.ppp20.webzone.net>

Hi Grover and Gang,

The lower frequency chirp on MY 38S was caused by (IMHO)
the RIT circuit not seeing a consistant ground reference between
-R and -T signals. The CMOS gate would not drive my -R down
to 0 volts.... mine would go down to 50 millivolts. The lower
end of the frequency range is more susceptable to the 50 mv
differential than the high end. You might try RIT mod --- if you
do, change the 2.2K resistors in the base of the 2N3904s to 10K
instead.

Let me know if this helps your situation.. Several have tried my
mod with good results, I hope it works for you as well.

73's

Jerry Henshaw
KR5L / QRP
jerryh@webzone.net

ARCI 9165, QRP-L 847, NORCAL 1999
49er, ARK 20, Wilderness Sierra, 38 Special

From: Grover, K7TP[SMTP:wylde@nccn.net]
Sent: Monday, February 03, 1997 7:36 PM
Subject: Re: 38S is chirpy - ideas?

At 10:54 AM 2/3/97, Mike McShan wrote:
>The one problem that I haven't been able to cure yet is the chirp on
>transmit. At the top of the tuning range (10.125 MHz), very little chirp
>is detectable when listening to the output in another receiver. However,
>when I go to the bottom of the range (10.102), I have a very unacceptable
>chirp and frequency drift upon keydown.

Now that's very interesting because the chirp that I am experiencing has
the same characteristics, although I didn't realize it until you noted the
frequency issue. Although the mods suggested have reduced the chirp
somewhat, it is still there enough that I would be ashamed to put it on the
air.

I'm still experimenting but as of today no success.

Cheers to all,

Grover
K7TP

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: LDG Electronics <ldg@radix.net>
Subject: [10906] Re: 7555/What is it?
Message-ID: <l03010d03af1c4ccee03b@[206.62.179.88]>

>I have been looking for a minimum component, easy to build code pratice
>oscillator (for a code class project). Needs to run on a 9V battery. I
>found a circuit that fits the bill in the Radio Handbook, by Orr. The IC is
>a 7555 is this the same as an NE 555? Other circuit that fits the bill is a
>555 in the ARRL Data Book listed as 12+ volts.

Thats a CMOS (low power) version of the LM555. It is a pin for pin
replacement. The regular 555 will draw about 5mA (average) and the 7555
will draw about 50uA, making it more suitable for battery power.

Dwayne Kincaid
WD8OYG

        LDG Electronics

        1445 Parran Road, St. Leonad MD
        Phone: 410-586-2177
        Fax: 410-586-8475
        e-mail: ldg@radix.net
        web site: http://www.radix.net/~ldg

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Dan Hogan <dhhogan@lightside.com>
Subject: [10908] Re: 7555/What is it?

Message-ID: <3.0.16.19970203155106.275f0168@mail.lightside.com>

Thanks all on the 7555 info. I'll use the 555 as I may have enough on hand
to cover the needs.

Dan Hogan
West Covina, CA
dhhogan@lightside.com

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "Lau, Zack, W1VT" <zlau@arrl.org>
Subject: [10976] Re: 7555/What is it?
Message-ID: <m0vrqs1-0004ohC@mgate.arrl.org>

The 7555 isn't necessarily interchangeable
with the 555 when used in code practice oscillators.
As I recall, the 7555 generates a much more
pleasant tone than the 555 chip. But, people's
tastes in this regard do vary tremendously...

Zack W1VT

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Leon Heller <leon@lfheller.demon.co.uk>
Subject: [10985] Re: 7555/What is it?
Message-ID: <pYsLTCAy539yEwNH@lfheller.demon.co.uk>

In message <3.0.16.19970203102641.21071b24@mail.lightside.com>, Dan
Hogan <dhhogan@lightside.com> writes
>I have been looking for a minimum component, easy to build code pratice
>oscillator (for a code class project). Needs to run on a 9V battery. I
>found a circuit that fits the bill in the Radio Handbook, by Orr. The IC is
>a 7555 is this the same as an NE 555? Other circuit that fits the bill is a
>555 in the ARRL Data Book listed as 12+ volts.
>
>QROob: Just finished building a ZM-1. Neat little QRP matching unit. Using
>it on my OHR-400. Much more noise reduction than my old MFJ-941.
>

The 7555 is a CMOS version of the NE555. For a practice oscillator any

555 should work OK.

Leon
--
Leon Heller, G1HSM
leon@lfheller.demon.co.uk
Tel: +44 (0) 118 947 1424 (home)
     +44 (0) 1344 385556 (work)

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [10904] Re: A little courtesy & common sense, pse
Message-ID: <Pine.A41.3.95.970203191217.38280B-100000@hector.NMSU.Edu>

Roger:

I heartily agree. Normal qrm we have to put up with but what's with QRP-L
qrm on fox freqs! Doesn't make any sense to me.

Tim AB5OU

p.s. Of course if I had worked the FOX before qrm knocked him out I
wouldn't feel quite so strongly about it!

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Bill Morris Denton <bdenton@tenet.edu>
Subject: [10947] Re: A little courtesy & common sense, pse
Message-ID: <Pine.OSF.3.91.970204084334.17786C-100000@beall.tenet.edu>

The W5 wasn't me.... looks like the FOX should not be scheduled on the
nights that there are announced contest. I am a newcomer to this sport
of "QRP". Last night during the sprint I heard many stations calling CQ
SP all within a 2 or 3 kc's of each other including the FOX. How could
anyone call any of the CQing station without interferring
with the rest. Even with the tightest of filters I could still hear
several calling in my band pass. When everyone is on the same freq. this
will happen. Another observation.... every one tunes up on that freq.
causing more QRM. More than once I started to work someone and all could
hear is all these little tiney carriers in there tuning up making it
very difficult for the other little signals.

Bill   W5SB

On Mon, 3 Feb 1997, Roger Hightower wrote:

> Hear the Fox tonight abt 7.038.....first time I've heard a NY Fox in
> quite a while. Nice pileup.
>
> He began to fade, then a local QRP-L type started a qso with a WB5
> station, very close...QRM'ed the fox nicely.
>
> C'mon guys....think abt it. 1 KHz is not enough separation when there
> is a fox working.
> --
> 72/73 de Roger N7KT   Mesa, AZ   Grid DM43cj
> NorCal 40-9er, NC38S, NC-40A, OHR Explorer 20, 30M, OHR400, HW-9
> NorCal 1099   CoQRP 176 QRP-L 62   G-QRP 9081 ARCI 8946 NE-QRP 383
>
>

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Dave Sjolin <sjolin@swbell.net>
Subject: [10949] Re: A little courtesy & common sense, pse
Message-ID: <32F75742.32F3@swbell.net>

Bill Morris Denton wrote:
>
>Last night during the sprint I heard many stations calling CQ
> SP all within a 2 or 3 kc's of each other including the FOX. How could
> anyone call any of the CQing station without interferring
> with the rest. Even with the tightest of filters I could still hear
> several calling in my band pass. When everyone is on the same freq. this
> will happen.

This need not be the case. Maybe with a direct conversion receiver and
no filtering this would be a problem but it shouldn't be with a good
superhet. As one of the cq'ers last night, I could work weak rst 329
stations without even knowing that others were operating 300 hz away,
even strong stations.

Before calling cq I asked "qrl" 3x and only once got response. If you
get interference shout and ask the other station to move. He probably
will give you some space.

A pet peeve of mine and a factor that I think adds to qrm in our segment
has to do with frequency offset. It appears that many either don't know
how or don't bother to zero beat another station (I forgive the 49ers).

I had stations calling me last night that were almost a full khz off my frequency. Doing this doubles the needed spectrum and adds to qrm as others who are one freq or the other will not hear both sides. They will assume the freq is empty and call cq. Especially during contests and other peak operating times, it is important that those in a qso operate on essentially the same frequency.

73 de Dave, N0IT

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [10963] Re: A little courtesy & common sense, pse
Message-ID: <19970204.102109.10390.0.gsurrency@juno.com>

Gang,

If that was me, on 7.040 QRMing the FOX,(he was on 7036) please accept my apologies. I answered WB5FMY calling CQ after the Fox faded into oblivion. I had tried to work the Fox for 45 minutes, but he was gone in the QSB and noise as the band deteriorated. I lost the WB5 after about 2-3 minutes in the QSB.

My QSO was from 0144 - 0146 UTC.

Since all of my rigs have digital display of frequency, I thought 4 khz higher in frequency would be enough, but since Roger and I are so close, it must not be.

Next time I'll move much further up in the band. There were some other Sprint stations all over the place.

Again, if I caused any of you any QRM, I'm very sorry. Thanks for bringing it to my attention. These QRP rigs work quite well, but they don't have the front end performance of a FT1000, do they? ;-)

I subsequently retreated to 3.560 to try the February Sprint, but only heard a few weak stations near that frequency, while a QRO QSO was on exactly 3.560!
After listening for some time, I decided to call it quits for the night.

Please accept my apologies to all who were affected. I really didn't believe I was close enough to the Fox to cause any harm. As the official Fox rules read in section "G", at least 3 khz is suggested to be considerate. I was 4khz higher. My rig has a 600hz xtal filter and a 200 hz audio filter. I can't hear anything over 2 khz away, unless they are

"clicking". Even on strong local stations, the S&S rigs are really good
at strong signal rejections.

Yes, I know that probably isn't enough spacing for Roger, who lives about
3-4 miles from me. A personal apology to you, Roger. Since I have come
foward and acknowledged my error, I hope you ALL will forgive me.

Sorry guys,

72,

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: JCoote@aol.com
Subject: [10927] Re: antenna opinions wanted
Message-ID: <970203214931_-1911441158@emout10.mail.aol.com>

In a message dated 97-01-31 23:29:17 EST, k5vp@earthlink.net (Kevin Potter)
writes:

>Subj: antenna opinions wanted
>Date: 97-01-31 23:29:17 EST
>From: k5vp@earthlink.net (Kevin Potter)
>Sender: owner-qrp-l@Lehigh.EDU
>Reply-to: k5vp@earthlink.net
>To: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
>
>Having been inactive for 15 years, I am returning & pretty excited about it.
>
>Having moved a few times, I'm on a smaller lot which will not allow a tower
>or a yagi. So, my question is: what type of antenna to start out with. A
>dipole or a ground mounted vertical w/o radials or ???
>
>Please drop me a line with your opinions.
>
>AE4IC's testing of tuners couldn't come at a better time for me. I'm
>watching for your email, Bob.
>
>BTW, I am looking for a 10 meter FM rig, preferably one that could be used
>mobile.
>
>Thanks,

>
>Kevin
>

In my opinion:

#1 (best)
Vee, dipole, square or half-square wire fed at the exact center with high-quality TV 300 ohm line or 45 ohm "ladder" line. Use a tuner with a good balun and enough L/C inside for 1.8-29 Mhz allband use. Use G5RV dimensions or whatever works on all bands 160 through 10 plus "WARC".

#2 (next best)
Sloper, inverted L, horizontal, vertical, horizontal L... fed at the end with a tuner and operated against a counterpoise wire or wires. The wire may be somewhere between 50 and 300 feet to work on all bands with a tuner, though lengths above 100 feet help on 160 and 80 meters. A simple L-network tuner will work on this antenna.

If an antenna won't work with your tuner on certain freqs, try changing the length of the antenna until it works on all bands. These antennas conceal well.

73, Jay
W6CJ
End-fed "random" wire or longwire (misnomer)

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "Dean T. Miller" <dtmiller@dsmnet.com>
Subject: [10905] Re: Antenna suggestions: Loops
Message-ID: <9702040217.AA05620@dsm7.dsmnet.com>

At 01:01 PM 2/3/97 -0500, Paul R. Valko wrote:
>
>I *really* want to get a loop up but my goofy location makes it difficult.
>Here are some questions for the LOOP EXPERTS. Reply via email as antenna
>questions kind-a skirt QRP requirements, I'll post replies...

HEY --- NO

Please post to the list. I'd like to know, and if there's two of us, there are probably lots more 'silent types' who just read the mail.

Dean -- from Des Moines (KB0ZDF)

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: dwink@juno.com (Daniel C Winkler)
Subject: [10917] Re: Antenna suggestions: Loops
Message-ID: <19970203.205128.17559.5.DWink@juno.com>

Hi gang,

There is one disadvantage to a loop that no one mentioned. It applies to any antenna operated at multiples of it's fundamental frequency, but I have seen the most extreme expamples when modeling loops.

You can have very deep nulls in several directions. If you are just answering stations you hear, it is not a problem. But if you are after a fox, and he is in a null (some of the nulls are 25 db), you won't have a chance.

You could get around that problem by having two feedpoints, and switching between them, but I've never figured out how to do that gracefully. Sticking a DPDT relay up there is awkward! And even disconnected feedline sometimes wants to couple in and join the rf party.

73, ; D DWink@Juno.com Dan Winkler N7IVR Seattle, WA
----------whom the gods would destroy, they first make proud ----------

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [10932] Re: Antenna suggestions: Loops
Message-ID: <8D1558F.00040005AC.uuout@cheaha.com>

-> >Here are some questions for the LOOP EXPERTS. Reply via email as
-> antenna >questions kind-a skirt QRP requirements, I'll post
-> replies...
->
-> HEY --- NO
->
-> Please post to the list. I'd like to know, and if there's two of us,
-> there are probably lots more 'silent types' who just read the mail.

I'm the third or fourth or fifth or whatever....I'm all ears, too!

72/73
Ed Welch KF4KRV
QRP-L #873
Luverne, Alabama
Crenshaw County - Grid EM61
          +---+
----------+ Norcal 40a es Straight Key es Wire-wrapped Trees +----------
          +---+

                >   Isn't "time" a 4-letter word?   <

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: JCoote@aol.com
Subject: [10925] Re: CW: Teaching Help Pse
Message-ID: <970203214940_1421826938@emout20.mail.aol.com>

In a message dated 97-02-01 11:52:49 EST, jdougher@wt.net (WA8GHZ /5 Jack
Dougherty) writes:

>I got "volunteered" by our club prez. to teach a novice cw class. I'm
>no great wiz-bang at it and get dizzy starting at 19wpm, but I agreed to
>help get some folks up to 5 and 13 wpm, so.... what tools, techniques,
>aids, ideas, etc. have worked for other 'volunteers'. (Request direct
>reply - there's probably not many in our 800 or so list population with
>same situation). Thanks in advance.....
>
>(My own learning technique back in '62 was a green army surplus box with
>paper tape reader for paper with black dot and dash lines that a
>photo-cell picked up and changed to something close to a sinewave beep.
>Motor was variable speed, and controlled WPM that way......I figure
>there's probably a better system nowadays- hi)
>--
>WA8GHZ   /5   / === === o ===   o === o   o === === o
>Jack   /Houston   /   "I know the guy who built my radio."
>
>

Use a clean sidetone or audio playback if you use tapes or computer. Clean
means no sawtooth or squarewaves, no background noises on the tape, 500-800
Hz tone. No Buzzers (obviously).

Be careful with teaching systems and software.. I saw one called code-quick
which I did not like. The mnemonics were confusing and people recall the
mnemonics and catchy little buzz words when they hear CW... not the letters
and numbers of the CW.

73, Jay
W6CJ

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Bill Todd <bill@techline.com>
Subject: [10896] Re: digital contest
Message-ID: <1.5.4.32.19970204010353.0068192c@mail.techline.com>

Hi Bill -

Please submit your LOG! You might still be the winner in your
call area...no matter what the scores were from other people.

As far as the bands go, I thought that it was the tradition
in all the QRP contests I have worked (though I should have
mentioned it in the rules), that an operator can work the same
station on another band.

Next year I think we should have multipliers for states, ect.,
though we did not have them this time. What I intended were
for the participants to make as many contacts as they could...
and not just listen for that "rare" state for yet another
multiplier.

However, I have learned that many RTTY operators use computerized
logging software which are "set-up" for counting multipliers, so
next time we'll use them.

Thanks!
Bill-N7MFB

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: JCoote@aol.com
Subject: [10928] Re: Ear/Mikes
Message-ID: <970203214940_-2045008262@emout09.mail.aol.com>

In a message dated 97-02-03 07:39:29 EST, kcarpent@astro.ocis.temple.edu
(Kevin Carpenter) writes:

>Subj: Ear/Mikes
>Date: 97-02-03 07:39:29 EST

>From: kcarpent@astro.ocis.temple.edu (Kevin Carpenter)
>Sender: owner-qrp-l@Lehigh.EDU
>Reply-to: kcarpent@astro.ocis.temple.edu
>To: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
>
>Ye That Know,
>
>   If this question isn't appropriate for this ListServe please direct me
>to another.
>
>   I'd like to get feedback on various ear/mikes. <This are the units
>which have the microphone in your ear as well as the speaker.
>Appaarently the mic picks up your voice from the inner ear.>
>   A friend and I will be kayaking the entire Delaware River this summer
>and will be using HT's to keep in touch. These Ear/Mikes, if any of them
>work
>properly, would be great for our trip.
>
> I've tried EARTALK but the mike doesn't pick-up well. In my opinion it
>is because that unit doesn't actually fit into the ear canal. I suspect
>that for the mike to pickup well it'd have to actually be in the ear canal.
>
> Any feedback would be greatly appreciated.
>
>thanks & 73's,
>
>-:>Kevin Carpenter, CBET
>   Amateur Radio: N3XPX   WebPage: http://www.temple.edu/biomed

>

Kevin & group;

I think our SWAT guys (I work in communications for a L/E agency) tried some brand of earmikes and I don't know the results, will try to find out. I know a big problem is getting the right impedance match for TX and RX audio when you start connecting aftermarket gear to your QRP Ham radios and HTs (Disclaimer to pass the pertinence test). The top-line tactical, surveillance and other headsets and mikes have to be ordered for the model of radio you will use. I would be leery of any "one size fits all" claims and solder tails instead of a molded connector for your model radio.

Try some of the profession magazines, Mobile Radio Technology, the APCO Bulletin etc. These have numerous ads for tactical mikes and headsets.

73, Jay
W6CJ

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: wylde@nccn.net (Grover, K7TP)
Subject: [10898] Re: FOX: Feb 5
Message-ID: <v02130503af1c4366f0b6@[205.139.74.123]>

At 9:04 AM 2/3/97, Randy Foltz wrote:

>Fellow westerners: I have heeded your requests for not starting so early
>in the evening. Let's go out there and have a great hunt!

To which I say "Blessings my son. Your name will be honored throughout the land and we will sing your praises from the mountaintops."

Y'all can't believe how frustratin' 'tis to arrive home five minutes after the fox has gone to ground for the night.

Cheers

Grover
K7TP

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [10954] Re: FSFD (50 States) Update for Feb. 03
Message-ID: <9701048550.AA855081909@smtpgw.ccgate.dl.nec.com>

Jim and Gang:

In order to give everyone adequate notice, I'm posting
my FSFD schedule a week in advance.

JIM, please note this schedule is slightly modified
from my original post to you on 1/17.

** NR3E's FSFD operating schedule for TEXAS **

Date	Time (UTC)	Band	Freq.
2/12	2205-2305	30m	10.118 +/-
2/12-13	2305-0105	20m	14.045 +/-
2/13	0105-0305	40m	7.045 +/-
2/13	0305-0405	40m	7.120 +/- ** NOVICE **

```
     2/13       0405-0505       80m      3.540 +/-
     2/13       0505-0605       80m      3.705 +/- ** NOVICE **
     2/13       0605-0800       40m      7.045 +/-

     Hopefully, this will give good coverage for both the east
     coast and west coast ops.
     Mark your calendar and hope to hear you next Wednesday!

     73 de Dave NR3E
     nr Dallas, TX
     qrp-l #25


_______________________________ Reply Separator _________________________________
Subject: FSFD (50 States) Update for Feb. 03
Author:  congress@magpage.com at smtplink-dl
From owner-qrp-l@Lehigh.EDU  Tue Feb  4 18:02:48 1997
From: PA3ASC@mailbox.hol.nl (Mike Perry)
Subject: [10967] RE: Holes in board
Message-ID: <199702041836.TAA16712@bonny.hol.nl>

>From: Ron Giuntini <rong@slip.net>
>What are the two holes under one of the IC spaces on the 38 board for?
>Ron
>

                                To let Nils' badgers out!!

(Sorry I couldn't let that one go by)



--
Best regards from The Netherlands,
Mike Perry. [e-mail :-   PA3ASC@mailbox.hol.nl ]
=-=--=-=--=-=-=-=-=-=--=--=--=-=-=-=-=-=-=--=-=-=-=-=




From owner-qrp-l@Lehigh.EDU  Tue Feb  4 18:02:48 1997
From: dwink@juno.com (Daniel C Winkler)
Subject: [10920] Re: HW-8 Headphone Output (long tutorial)
Message-ID: <19970203.205128.17559.3.DWink@juno.com>


On Mon, 3 Feb 1997 10:34:35 -0500 (EST) Buck Switzer <n8cqa@tir.com>
```

writes:
>Gang - The first mod you should make to your HW8 is adding a RS audio
>transformer (273-1380 $1.69). This is a 1K to 8ohm transformer and
>just about doubles the output.

Well Buck,

More like 20 db. I answered the original post direct- should have posted to the list. Read on.

The HW-8 uses a class A transistor biased for about 5 ma, and a 1k load (collector) resistor. The collector is capacitance coupled to the phone jack. Optimum power transfer would be to a 1k headphone. But at low volumes, lighter loading will allow a larger voltage to be developed at the collector. It will drive low impedance phones, however. It's just that the power transfer is not efficient.

For example, I know that 10mv peak to peak is a "good" signal into most button-type earphones (I have listened to an audio generator while watching the signal on a scope). Those earphones are about 12 to 16 ohms in impedance. That translates to about 0.6ma peak to peak, or about 12% of the total collector current. So the amplifier won't "bottom out" on normal-listening-level signals when driving low impedance phones, but they haven't got much "headroom" either.

However, transistors being the current amplifying devices they are, a given signal will produce only so much CURRENT swing in the final AF amplifying transistor. Let us suppose that we have a signal that produces a 0.6 ma swing in the output transistor's collector current. Most of this would go through the earphone (very little through the 1k load resistor) and the volume would be fine.

Now put the 1000 : 8 ohm transformer in there. Remember that impedance ratios vary as the square of the turns ratio. 1000/8 = 125. Sqrt (125) = 11.1. So we are going to have 11 times as much current available at the 8 ohm output of the transformer as we did at the collector of the output transistor. Now recall P = I *I *R, so we'll have 11*11 times more power available. That is 121 times more power, or about 22 db more. Your signal was just softly comfortable before. Now it is almost painful.

On my own HW-8, I added a new 3.5mm stereo jack to the back panel. I cut up a tin can to make a bracket which I soldered to the little AF output board, and mounted the transformer to that. The output resistor was replaced by the primary of the transformer- the 8 ohm secondary went to the stereo jack- wired for parallel (tip and ring tied together). I left the original phone jack for high impedance phones.

73,   ; D   DWink@Juno.com   Dan Winkler   N7IVR   Seattle, WA
----------whom the gods would destroy, they first make proud ----------

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [10915] Re: IC Sockets
Message-ID: <19970203.215119.7591.2.kb0rol@juno.com>

OK, sockets are not great, but for someone who is worried about cooking a
hard to get IC.   Bruce - W6TOY - sent me the following way to tell a
good socket from a not so good socket.   Thanks Bruce

Brad Mugleston - KB0ROL
Colorado QRP Club # 170, QRP-L #316, ARRL
QTH - Aurora, CO - DM79oq
KB0ROL@JUNO.COM
BMUG@GWL.COM

>>
>The cheap ones will have pin sockets that are formed from sheet metal
>and tinned. You'll be able to see daylight through the holes. The good

>ones have gold plated pin sockets and they are sealed from top to
bottom.
>Look for "low profile" models to reduce the effect of lead length at RF
>frequencies -- a noted source of instability.
>--
>Bruce -- W6TOY/3
>Still QRP, Really! (c)
>
>

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [10916] Re: IC Sockets
Message-ID: <19970203.215119.7591.0.kb0rol@juno.com>

Paul Harden -NA5N- said they were OK (he used them in the prototype).
I'm more worried about my soldering capabilities than an IC coming loose.
 I imagine that if I get it built and it works OK I may solder them in if
I have a problem with them.

THanks for the comment and I will keep it in mind.

Brad Mugleston - KB0ROL
Colorado QRP Club # 170, QRP-L #316, ARRL
QTH - Aurora, CO - DM79oq
KB0ROL@JUNO.COM
BMUG@GWL.COM

>Who said IC sockets are OK? They're tolerable at HF, intolerable
>above HF. The better quality sockets are generally the "machined pin"
>style, where each pin is an individually machined little assembly. An
>example of these are the sockets made by Augat, though others make these

>'hi-rel' sockets.
>
>IC sockets present a reliability issue in any application, and I avoid
>them in RF applications, particularly above 30MHz.
>
>Dana K6JQ
>Dana@Source.Net
>

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Leon Heller <leon@lfheller.demon.co.uk>
Subject: [10926] Re: IC Sockets
Message-ID: <uNQaWBAC+i9yEw9F@lfheller.demon.co.uk>

In message <19970202.212840.7407.1.kb0rol@juno.com>, Bradley L Mugleston
<kb0rol@juno.com> writes
>OK, I got more than a few replies about using sockets - its OK to do. I
>was also told to get better quality sockets - looked through Paul Hardens
>Data Book - learned about Standing Wave Ratio and Standard Drill Sizes
>(US) but so far nothing on how to distinguish the quality of a socket -
>its probably in there, I just distracted easily by all the other neat
>stuff.
>
>So tell me, 1- how do I tell a good one from a bad one and 2- where can I
>get some good ones?   How are Radio Shacks? (I know its a loaded question
>but I can walk to two of em on a nice day and I don't know how many I

>drive by to get home from work and if not the Shack its mail order and
>more delays).
>
>If you read this far and you think about it respond to bmug@gwl.com. If
>the shack wins I will buy some on the way home from work.

It's best to pay the extra and get professional turned-pin sockets,
rather than the flimsy leaf-spring type. I don't think that Radio Shack
sells them, though. They give a gas-tight connction that won't cause
intermittent contact problems. They also have the advantage that you can
solder them on both sides of the board, if the PCB uses the IC pins for
connections between the top and bottom of the board. The turned-pin ones
are easy to identify, they have circular pins, and little round inserts
in the sockets.

73, Leon
--
Leon Heller, G1HSM
leon@lfheller.demon.co.uk
Tel: +44 (0) 118 947 1424 (home)
     +44 (0) 1344 385556 (work)

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: JCoote@aol.com
Subject: [10912] Re: NG ANTENNA
Message-ID: <970203214934_1727448954@emout05.mail.aol.com>

In a message dated 97-02-03 07:35:11 EST, drowe@juno.com writes:

>
>I lost the adress of the fella that saw the antenna at the National
>Guard.
>
>so I'll send this to the whole list hope he gets it and sorrow for the
>bandwidth.
>
>I believe what you saw is a TD2F broadband dipole.. It is similar to
>those so called broadband folded dipoles sold by B&W. The apparatus at
>the fed point is indeed a matching transformer. and the tube in the top
>wire is a resistor. these things are use in commercal hf setups around
>the world. They offer bandwith but are very ineffeiceint, but that
>doesn't matter if your pumping kw's into it. They usually tune with an
>swr of less than 2:1 from about 3 to 30 mhz.
>
>73 dave , kc1di

B&W makes these for 1.8-30 Mhz, 3-30 Mhz, 5-30 Mhz, 2-22 Mhz.
Hy-Gain also makes these, write for their mil/commercial catalog.
The Hy-Gain advertises about 15% efficiency from 2-4 Mhz, and their dipole is 180 feet long.
These are generally used for NVIS (high-angle in 2-10 Mhz) and most mil rigs are in the 100, 400 and 1000 watt class
73, Jay
W6CJ

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [10894] Re: Nils
Message-ID: <199702040021.RAA08016@zia.aoc.nrao.edu>

Steve KA7NOC write:
>Lemme guess.....
>Nils rx'ed his 38 spl. , no ?

Either that, or his anticipation is getting unbearable. Somebody give that man a rig to build fast!!!

72, Paul NA5N

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "Len W. Touth" <len@infinet.com>
Subject: [10945] Re: Ohio FSFD
Message-ID: <199702041441.JAA12162@mail1.infinet.com>

KG8SF and other ops will join Steve later today.

CU on the air!

Best 72/3
Len
KG8SF
len@infinet.com   kg8sf@key.com

QRP-L # 841   CQrp # 2   ARCI # 9025   FISTS # 2134

       CHARTER MEMBER - THE COLUMBUS QRP CLUB - CQrp
           Web Page: http://www.infinet.com/~len

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: dwink@juno.com (Daniel C Winkler)
Subject: [10919] Re: Reverse Polarity Protection
Message-ID: <19970203.205128.17559.4.DWink@juno.com>

Hi Ed,

Just so you know, watch out what you try to depict using ascii characters only. Your second "schematic" came out on my screen with the diode connected between the power supply and the fuse, not the fuse and the rig. The problem is that I haven't found a non-proportionally-spaced font that I can stand. I use Juno, and almost all the fonts are proportionally spaced. The few that aren't are both big and ugly. The proportional spaces seem to get very, very small when there are lots of them together, and things sort of shift to the left. It is very disturbing at times. Juno also seems to randomly dump my carrage returns-- at least things never re-appear on the list in quite the same format in which I sent them.

There are now an enormous number of folks using Juno, and I shudder to think that one of them will look at your schematic as I saw it, and hook it up, and then reverse the supply sometime later and start a fire with the heated wire. Or blow the diode, if he's lucky, and then blow the rig, cause the fuse isn't fast enough. Or maybe just blow his supply. Or all of the above.

Murphy lurks.

73, ; D DWink@Juno.com Dan Winkler N7IVR Seattle, WA

----------whom the gods would destroy, they first make proud ----------

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Chris Cartwright <ccart@vidtel.com>
Subject: [10966] Re: Solar Charger
Message-ID: <Pine.LNX.3.93.970204130228.1305B-100000@dns.vidtel.com>

On Tue, 4 Feb 1997, Stew Whitehouse wrote:

> Boat/U.S. is advertising a Uni-Solar, flexible
> 5.5 watt solar charger for the "sale price" of
> $88.88. Does anyone have any experience with,

I do quite a bit of computer work for Boat/U.S. and am at their
Hagerstown, MD warehouse at least once a month. If you can give me a
part/catalog/sku number I should be able to get a "hands on" view of this
thing and report back. Seems I just might *need* one too:) I know
the security people fairly well and might be able to snag a copy of the
manual/instructions. If this is of interest to the group I can post
the findings to the list. They also stock a 12V drip coffee maker I've
been thinking about getting for the truck.

72

-- Christopher Cartwright, Tech. Engineer | ccart@vidtel.com
-- Phone 301.990.0735 N3XRV QRP-L #655 | ccart@erols.com

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Dave Redfearn <n4elm@passport.ipass.net>
Subject: [10978] Re: Straight key to Iambic conversion? MOSFET substitution
Message-ID: <199702042037.PAA12064@passport.ipass.net>

The general convention is the thumb pushes the dit paddle and the finger
pushes the dah paddle.

thumb - dits
finger - dahs

This will work for left or right handed ops.

When wiring the paddle connectors:
tip - dits
ring - dahs
sleeve - ground (common)

Works for me, your mileage may vary.
73 - Dave.

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Jeremy Cowgar <jcowgar@villers.com>

Subject: [10970] RE: TenTec rig, winding of final low pass filter toroids
Message-ID: <01BC12A4.FCA85CC0@jcowgar.villers.com>

I am loading it with a 56 ohm resistor, not a wire wound type. I was =
told anyone from 50-75 ohms will work.

Jeremy N. Cowgar - jcowgar@villers.com
Villers Enterprises, Inc. - VEI of Ohio
7845 Wales Ave. NW.
North Canton, Ohio 44720

Phone: 330-305-0922
    Fax: 330-305-0822
    URL: http://www.villers.com/

-----Original Message-----
From: jim [SMTP:kw3u@warwick.net]
Sent: Tuesday, February 04, 1997 6:58 PM
To: jcowgar@villers.com
Subject: Re: TenTec rig, winding of final low pass filter toroids

Jeremy Cowgar wrote:
>=20
> As everyone probly read I am having problems with my TenTec 40m qrp =
rig. Last night I just blew my second final transistor and at $10 a=20
shot, I do not wish to
>=20
> I guess I'm asking this question to anyone who has built this rig. =
They say 12 tightly wound and they also specify 1uH. I found that=20
winding 12 turns will in n
>=20
> I guess my question is, should I have wound 12 turns and dealt with =
the 1.32uH that it resulted in, or do I stay with the 10 turns and 1uH?
>=20
> Jeremy N. Cowgar - jcowgar@villers.com
> Villers Enterprises, Inc. - VEI of Ohio
> 7845 Wales Ave. NW.
> North Canton, Ohio 44720
>=20
> Phone: 330-305-0922
>   Fax: 330-305-0822
>   URL: http://www.villers.com/

   I know this sounds stupid, but you mentioned not knowing
your swr.....you are tuning it up using a dummy load or
resonant antenna right?
jim

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Scott Bauer <ke3nv@erols.com>
Subject: [10918] RE: Young Ham with us
Message-ID: <199702040448.XAA25642@smtp2.erols.com>

  Golly, Im only 30 something.....

At 09:48 AM 2/3/97 -0800, you wrote:
>> Gang:
>>
-- --My name is Matt. My age is 16 years old. My call is AE4JM. I am
>> just now getting on the internet and getting an email address. So I
>> just subscribed to QRP-L last night >>
>>
>> Hey, look at that! someone joining our ranks under the age of 40!!
>
>Hey!! I'm not that old!! I was an Extra before I was 30 and stuff....
>
>;-)
>
>Dana K6JQ
>
>
>
72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV
 Fists 1502   QRP Nut SWL Truck Pilot   ARRL
     Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40
 S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80, all Sensational rigs.
                          38 special at 300mw

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: Joe Gervais <vole@primenet.com>
Subject: [10977] Re: Young Ham with us
Message-ID: <199702042019.NAA03888@usr08.primenet.com>

Howdy All, *cough*

> > Hey, look at that! someone joining our ranks under the age of 40!!
>
> Hey!! I'm not that old!! I was an Extra before I was 30 and stuff....

Hey, I've got a few precious weeks before I turn 30!
Please let me live my illusion of youth until then. :-)

cough *hack* Hope I kick this *@#$*@ Ebola plague
soon or it isn't going to matter though... bleh.

Welcome to QRP-L, Matt. It's a wonderful, wierd place.

Had to avoid the ScQRPion meeting due to my sneezing
up smurfs at unsafe velocities, but I bet if someone
asks very nicely we'll get a meeting report. ;-)

Cheers de AB7TT (ex-KC7NEV),

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: "KF4MZD (John Kemker)" <kemkerj@xyzzy.net>
Subject: [10979] Re: Young Ham with us
Message-ID: <199702042143.QAA01051@www.xyzzy.net>

On 4 Feb 97 at 13:19, Joe Gervais wrote:
>
> Howdy All, *cough*
>
> > > Hey, look at that! someone joining our ranks under the age of
> > > 40!!
> >
> > Hey!! I'm not that old!! I was an Extra before I was 30 and
> > stuff....
>
> Hey, I've got a few precious weeks before I turn 30!
> Please let me live my illusion of youth until then. :-)

<snip>

Does that make me an OF because I turned 34 today? hihi

==========
73 de KF4MZD (John Kemker)
kemkerj@xyzzy.net
EM73vt

From owner-qrp-l@Lehigh.EDU Tue Feb 4 18:02:48 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [10895] Re: [10826] Feb. NorCal Meeting Report
Message-ID: <199702040045.QAA04131@netcom7.netcom.com>

> Date: Sun, 02 Feb 1997 21:20:11 -0800
> From: Doug Hendricks <ki6ds@telis.org>
>
> Bill Jones, KD7S brought his 38 Special that he has told you about on the net, you know the one that works perfectly, right out of the box, and has no key thump!! Bill has done the 5 watt mod, the TiCK keyer mod and one of his own, a digital analog display. Now you say a what? Bill has used 3 10 segment leds to make a dial, and as you turn the tuning knob, it travels across the display and the calibrated dial shows you where you are. Very clever, and very accurate.

I hate to say this, but it sounded to me like his thumped just like the rest of them at the meeting. On the other hand, the E-dial was one of those marvelously simple but very effective strokes of genius, and implemented very nicely, and the case he built was just amazing.

I've not seen his technique described, but he just bought a couple of dollars worth of ABS sheet plastic, the right glue and applicator and used a simple fixture to fabricate a beautiful little box, of exactly the right size, with a flip-top hinged cover. He told me he cut the parts on a table saw with a plastic cutting blade from the local hardware store, sanded the edges for smoothness, used a fixture to get right angles, and glued it together. Simply amazing.

> If you have any idea that you might want to go to Dayton, it will be worth the trip to see Bill's work, I guarantee you.

I'd agree.

> Vern Wright has put his 38 Special in a case made from extruded aluminum and it has a slide in mount for the circuit board. Vern takes out 4 screws and the board and both ends come right out of the case. Handy for the mods that are popping up on the QRP-L.

Another very nice package for the 38S. I think these two, by themselves, validate the strategy of not providing a case, but letting people's creativity run wild.

73, doug (faunt, N6TQS, not any other doug)